

# Sierra N. Henson

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## ACADEMIC BACKGROUND

Arizona State University

May 2018

BS in Microbiology with a concentration in Medical Microbiology  
Graduate Studies

Grand Canyon University

April 2016

BS in Biology with an emphasis in Pre Medicine

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## RESEARCH HISTORY

**RESEARCH ASSOCIATE II, Translational Genomic Research Institute, Phoenix, AZ** February 2020 to Present  
Investigating immunological driven responses using highly multiplexed peptide sequencing (PepSeq) and next generation sequencing. Developed and optimized highly multiplexed serology assays and implemented various quality measures. Laboratory manager for TGen headquarters. Supervise all research associates, oversee equipment maintenance and biosafety regulations within the lab. Coordinate various research projects among our collaborators by maintaining detailed records of patient documentation and samples, in addition to managing sample shipments, and collaborator meetings. Ensure projects are completed in a timely manner and within deadlines required.

**RESEARCH ASSOCIATE I, Translational Genomic Research Institute, Phoenix, AZ** January 2019 to February 2020  
Optimized and performed IHC assays for use on a laser capture microdissection to visualize and capture both diseased and non-diseased neurons in Alzheimer's and control subjects. Performed various nucleic acid assays including RNA/DNA extractions and cDNA library creation to analyze biomarker status in various tissues. NGS experience, including MiSeq and NovaSeq. Performed literature research to identify new research targets. Created presentations to provide project updates internally and externally with collaborators.

**RESEARCH ASSISTANT, Arizona State University, Tempe, AZ** January 2018 to December 2019  
Specialized training in animal husbandry and animal dissection. Experience in tissue embedding, cryosectioning, and immunofluorescence. Proficient in paraffin sectioning using a microtome and experience with H&E staining. Experience with primary cell culture.

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## PEER-REVIEWED PUBLICATIONS

Jason T. Ladner, **Sierra N. Henson**, Annalee S. Boyle, Anna L. Engelbrektson, Zane W. Fink, Fatima Rahee, Jonathan D'ambrozio, Kurt E. Schaecher, Mars Stone, Wenjuan Dong, Sanjeet Dadwal, Jianhua Yu, Michael A. Caligiuri, Piotr Cieplak, Magnar Björås, Mona H. Fenstad, Svein A. Nordbø, Denis E. Kainov, Norihito Muranaka, Mark S. Chee, Sergey A. Shiryaev, John A. Altin. Epitope-resolved profiling of the SARS-CoV-2 antibody response identifies cross-reactivity with endemic human coronaviruses. *Cell Reports Medicine*, Volume 2, Issue 1, 2021.01.19.100189. <https://doi.org/10.1016/j.xcrm.2020.100189>.

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## CONFERENCE PRESENTATIONS

Quinn, J.W., **Henson, S.**, Peck, S., Obayomi, M.B., & Baluch, D.P., (2018, December). *Tyramine and the Male Reproductive Tract*. Poster presented at the American Society of Cell Biology and European Molecular Biology Organization, San Diego, CA.

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## EMPLOYMENT HISTORY

**DIRECTOR, HealthScribe, Phoenix, AZ**

August 2016 to August 2017

Managed various operational tasks including scheduling and planning, leading, and managing all sites within Arizona, and Onboarding hospitals and clinics with new scribe programs. Responsible for hiring new scribes and conducting biweekly payroll. Conducted classroom and bedside training, conducted capability trials, and maintained physician and client relations.

**SCRIBE, Southwest Spine and Sports, Scottsdale, AZ**

April 2014 to June 2016

Transcriptionist for Physical Medicine and Rehabilitation physicians, physician's assistance, and healthcare technicians with daily clinic activities. Created, prepared, and built upon physician's clinical and procedure notes, took vital signs, and assisted with in office procedures. Carried out administrative duties. Developed extensive medical terminology. Efficient in electronic health record systems.

**SURGICAL FLOOR VOLUNTEER, Honor Health Deer Valley, Phoenix, AZ**

December 2011 to December 2012

Performed over 200 hours of volunteer services as a surgical floor volunteer. Transported patients, organized, and disinfected rooms, participated in the Fall Risk Assessment program, transported samples to laboratory, as well as maintaining inventory.

**OFFICE MANAGER/EXECUTIVE ASSISTANT, Arrowhead Media Clippings, Phoenix, AZ August 2009 to April 2014**

Managed inventory of close to 160 different publications to ensure complete coverage and safeguard client satisfaction. Scheduled weekly production and operational meetings to ensure goals were being met or exceeded, and to facilitate stronger communication with the ability to resolve critical issues efficiently. Provided exceptional client relations through phone/computer in a fast paced environment. Acted as a client liaison between the company and new and existing clients.

**Honors and Affiliations**

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DEAN'S LIST, Arizona State University	<b>2017-2018</b>
DEAN'S LIST, Grand Canyon University	<b>2015-2016</b>
Health Occupation Students of America (HOSA)	<b>2015-2016</b>

**COMMUNITY INVOLVEMENT**

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Volunteer, Habitat for Humanity	<b>August 2015</b>
Bone Marrow Donor, Be The Match	<b>June 2016</b>
Volunteer, AIDS Annual Walk	<b>October 2017</b>
Volunteer, Aunt Rita's Foundation	<b>October 2017</b>
Volunteer, Southwest Center for HIV/AIDS	<b>September to December of 2017</b>
Volunteer, Peoria Firefighter Charities	<b>August 2017 to Present</b>
Volunteer, Arizona Pride Parade	<b>April 2018 &amp; 2019</b>

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